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Substitute for form 1449/PTO **Complete if Known**

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 16

Complete if Known

Application Number	10/840,028
Filing Date	05/05/2004
First Named Inventor	Ravenscroft, Keith N
Art Unit	1742
Examiner Name	Zheng, Lois L.
Attorney Docket Number	88369-CON

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>W.S.</i>	A	US- 2,148,331	02/21/1939	Weisberg et al.	
	B	US- 2,774,696	12/18/1956	Gibson, Robert C.	
	C	US- 2,791,525	05/07/1957	Rausch et al.	
	D	US- 2,805,969	09/10/1957	Goodspeed et al.	
	E	US- 2,817,610	12/24/1957	Newell et al.	
	F	US- 2,835,616	05/20/1958	Rausch et al.	
	G	US- 2,850,417	09/02/1958	Jenkins et al.	
	H	US- 2,960,420	11/15/1960	Mitchell, Abraham J.	
	I	US- 3,053,691	09/11/1962	Hartman et al.	
	J	US- 3,053,692	09/11/1962	Pocock, Walter E.	
	K	US- 3,083,149	03/26/1963	Cranston, Hoy A.	
	L	US- 3,121,033	02/11/1964	Stapleton, John M.	
	M	US- 3,346,522	10/10/1967	Schuster et al.	
	N	US- 3,481,762	12/02/1969	Streicher, Michael A	
	O	US- 3,559,280	02/02/1971	Mailhiot et al.	
	P	US- 3,598,659	08/10/1971	Klingler et al.	
	Q	US- 3,632,452	01/04/1972	Matsushima et al.	
	R	US- 3,649,371	03/14/1972	Tongyai, Shingkata	
	S	US- 3,658,603	04/25/1972	Boyer, Charles D.	

FOREIGN PATENT DOCUMENTS

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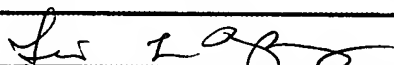
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Sheet **2**of **6****U. S. PATENT DOCUMENTS**

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		Number-Kind Code ² (if known)			
llj	T	US- 3,677,827	07/18/1972	Weaver et al.	
	U	US- 3,706,604	12/19/1972	Plaxton, Elmer H.	
	V	US- 3,709,742	01/09/1973	Jacobs, John J.	
	X	US- 3,753,942	08/21/1973	Moran, et al.	
	Y	US- 3,806,375	04/23/1974	McLeod et al.	
	Z	US- 3,879,237	04/22/1975	Faigen et al.	
	aa	US- 3,899,367	08/12/1975	Mitchell, Abraham J.	
	ab	US- 3,929,514	12/30/1975	Houlihan et al.	
	ac	US- 3,936,445	02/03/1976	Pfitzer et al.	
	ad	US- 4,006,041	02/01/1977	Fabregas et al.	
	ae	US- 4,017,335	04/12/1977	Maloney, James E.	
	af	US- 4,018,934	04/19/1977	Parliment, Thomas H	
	ag	US- 4,086,182	04/25/1978	Hengelhaupt et al.	
	ah	US- 4,140,551	02/20/1979	Jones, William C.	
	ai	US- 4,246,030	01/20/1981	Lipinski, Richard J.	
	aj	US- 4,296,182	10/20/1981	Matsubayashi et al.	
	ak	US- 4,298,405	11/03/1981	Saus et al.	
	al	US- 4,565,585	01/21/1986	Matsuda, Shigeki	
	am	US- 4,591,397	05/27/1986	Jones et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
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Sheet 3 of 10**U. S. PATENT DOCUMENTS**

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		Number-Kind Code ² (if known)			
	an	US- 4,728,365	03/01/1988	Jarvi; Paul	
	ao	US- 4,781,948	11/01/1988	Caldwell; David	
	ap	US- 4,789,409	12/06/1988	Jarvi; Paul R.	
	aq	US- 4,794,139	12/27/1988	Braden et al.	
	ar	US- 4,806,161	02/21/1989	Fabiny et al.	
	as	US- 4,944,812	07/31/1990	Lindert et al.	
	at	US- 5,089,349	02/18/1992	Kaiser; Herbert J.	
	au	US- 5,104,463	04/14/1992	Menke; Joseph T.	
	av	US- 5,320,872	06/14/1994	McNeel et al.	
	aw	US- 5,466,297	11/14/1995	Goodman et al.	
	ax	US- 5,580,063	12/03/1996	Edwards; A. W.	
	ay	US- 5,591,275	01/07/1997	Miyafuji et al.	
	az	US- 5,601,663	02/11/1997	Rungta et al.	
	ba	US- 5,667,599	09/16/1997	Rungta et al.	
	bb	US- 5,704,995	01/09/1998	Bradley; Johnny L.	
	bc	US- 5,723,183	03/03/1998	Williams et al.	
	bd	US- 5,919,318	07/06/1999	Brands et al.	
	be	US- 6,171,409	01/09/2001	Hamacher et al.	
	bf	US- 6,193,815	02/27/2001	Wada et al.	

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Application Number	10/840,028
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U. S. PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
	bm	DE-4217098	11/26/1992	Uehara, et al.	
	bn	DE-2623604	12/23/1976	Okabe, et al.	
	bo	EP-0264471	04/27/1988	Fabregas, et al	
	bp	EP-0264472	04/27/1988	Fabregas, et al	
	bq	JP-S62-186466	07/23/1987	Nakamura, et al	

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of

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
llb	br	BIRCHWOOD LABORATORIES, INC. "Safe, Low Cost, In-house Blackening with the Presto® Black Process," Birchwood Laboratories, Inc., Eden Prairie, MN; no date (6 pages).	
llb	bs	BIRCHWOOD CASEY, "Guide to Room Temperature Antiquing without Hazardous Effluent"; Birchwood Casey; Eden Prairie, MN (no date).	
llb	bt	BIRCHWOOD CASEY, In-House Blackening with No EPA Regulated Chemicals brochure; Birchwood Casey; Eden Prairie, MN (No Date).	
llb	bu	BIRCHWOOD CASEY, "Your Practical Guide and Cost Analysis"; Birchwood Casey; Eden Prairie, MN; Aug. 1997.	
llb	bv	COTTON, F. Albert and WILKINSON, Geoffrey, "Advanced Inorganic Chemistry A comprehensive Text", Interscience Publishers, NY, pp. 847-863, (1962, no month).	
llb	bw	DANIELS, Christopher; "Black-Oxide Basics: Improved protection, appearance and performance with black oxide finishes", Products Finishing; July, 1992.	
llb	bx	DU-LITE, "DULITE'S® Guide to Hot Black Oxide Processes", The Du-Lite Corporation; Middletown CT; 1994 (no month).	
llb	by	GODDING, A. D.; "The Basics of Black Oxide Finishing: Why to do it, how to do it, applications and advantages", Products Finishing; February, 1990.	
llb	bz	GODDING, A. D.; "Why Black Oxide? Here's how and why", Products Finishing; April, 1986.	
llb	ca	HEATBATH Corporation, "It Doesn't Get Any Blacker than This" with supporting pages from www.heatbath.com/black-oxide-finishing.htm ; Finisher's Management et al, March 1996.	

Examiner Signature	<i>Li R. Zheng</i>	Date Considered	8/21/05
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ls	cb	HUBBARD-HALL, "Activated Black Magic Plus: The cutting edge for quality and performance when hot black oxidizing steel;" Hubbard-Hall; Waterbury, CT (no date).	
ls	cd	HUBBARD-HALL, "Activated Black Magic Plus" http://www.hubbard-hall.com/files/2232001.pdf ; Hubbard-Hall, Waterbury, CT; 2003	
ls	ce	RUHLAND, Mark; "Blackening of Ferrous Metals;" Birchwood Casey and PF Directory; Eden Prairie, MN, (1999; no month).	
ls	cf	NATIONAL TOXICOLOGY PROGRAM; "Thiourea--CAS No. 62-56-6: First listed in the Third Annual Report on Carcinogens"; Tenth Report on Carcinogens; date unknown.	
ls	cg	RADIAN CORPORATION; "N,N'-Diethylthiourea", NTP Chemical Repository (Radian Corporation); Aug. 29, 1991.	
ls	ch	BIRCHWOOD CASEY, "Material Safety Data Sheet: Presto® Black Brush-On BST4 "; Birchwood Laboratories, Inc.; Eden Prairie, MN; April 2, 2001.	

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